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What is claimed is:

1. A method for managing channel assignment in a wireless communication system having a predetermined bandwidth, said predetermined bandwidth being divided into a plurality of sub-bands that each include a plurality of channels, said method comprising the steps of:

specifying a power range for each sub-band within the plurality of sub-bands, said power range representing a range of signal powers that are to be supported by individual channels within the sub-band, wherein at least two of said plurality of sub-bands are assigned power ranges that are different from one another;

ascertaining a power level associated with a first wireless connection in said wireless communication system;

identifying at least one sub-band within the plurality of sub-bands that has a power range encompassing said power level; and

assigning a channel within said at least one sub-band to said first wireless connection.

2. The method claimed in claim 1, wherein:

said plurality of sub-bands includes a first sub-band having a plurality of code division multiple access (CDMA)channels.

3. The method claimed in claim 1, wherein:

said plurality of sub-bands includes a first sub-band having a plurality of time division multiple access (TDMA) channels.

4. The method claimed in claim 1, wherein:

said step of ascertaining a power level includes measuring a power level of a signal received via said first wireless connection.

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5. The method claimed in claim 1, wherein:

said step of ascertaining a power level includes determining a transmit power level required to communicate with a remote entity via said first wireless connection.

6. \ The method claimed in claim 1, wherein:

said wireless communication system includes a satellite communication system, wherein said predetermined bandwidth represents a bandwidth available for communication between a satellite and a plurality of terrestrial users.

7. A system for providing wireless communication between a communication platform and a plurality of subscribers, said system having a predetermined available bandwidth for providing said wireless communication, said predetermined available bandwidth being divided into a plurality of sub-bands that are each capable of supporting a plurality of communication channels, said system comprising:

means for determining a power level associated with a wireless connection between said communication platform and one of the plurality of súbscribers;

means for selecting one of said plurality of sub-bands based on said power level determined by said means for determining; and

means for assigning a channel within said selected sub-band to said wireless connection for use in providing wireless communication between said communication platform and said one of said plurality of subscribers.

- 8. The system claimed in claim 7, wherein:
 said plurality of sub-bands includes a first sub-band having a plurality of code
 division multiple access (CDMA) channels.
 - 9. The system claimed in claim 7, wherein:

said plurality of sub-bands includes a first sub-band having a plurality of time division multiple access (TDMA) channels.

10. The system claimed in claim 7, further comprising:

means for monitoring said wireless connection to determine whether a power condition has changed during said wireless connection; and

means for assigning a new channel within a different sub-band to said wireless connection when said means for monitoring determines that said power condition has changed.

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11. The system claimed in claim 7, wherein:

said plurality of sub-bands are each associated with a power range, wherein said means for selecting one of said plurality of sub-bands includes means for determining which of said plurality of sub-bands has an associated power range that encompasses said power level.

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A method for providing multiple access communications between a first location and a second location, said method comprising the steps of:

providing a predetermined frequency band for use in establishing communication connections between said first location and said second location;

segmenting said predetermined frequency band into a plurality of sub-bands; providing a plurality of code division multiple access channels within each of said plurality of sub-bands; and

limiting communication within each of the plurality of sub-bands to signals meeting a predetermined power criterion.

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The method claimed in claim 12, wherein:

said limiting ster includes specifying a power range for each of said plurality of sub-bands.

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14. The method claimed in claim 13, wherein:

said limiting step includes determining a power level associated with a first communication connection and selecting a sub-band from said plurality of sub-bands for use by said first communication connection based on said power level.

15. The method claimed in claim 14, wherein:

said limiting step includes assigning a CDMA channel within said selected subband to said first communication connection.

16. The method claimed in claim 12, wherein:

said step of segmenting said predetermined frequency band into a plurality of subbands includes defining a plurality of receive sub-bands.

17. The method claimed in claim 12, wherein:

said step of segmenting said predetermined frequency band into a plurality of subbands includes defining a plurality of transmit sub-bands.

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18. The method claimed in claim 12, further comprising:

periodically changing a power criterion associated with a first sub-band in the plurality of sub-bands.

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19. The method claimed in claim 12, wherein:

said first location includes a multi-channel communications satellite orbiting about a primary body.

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20. The method claimed in claim 19, wherein:

said second location includes a footprint region on said primary body associated with said multi-channel communications satellite.

A method for providing multiple access communications between a first location and a second location, said method comprising the steps of:

providing a predetermined frequency band for use in establishing communication connections between said first location and said second location;

dividing said predetermined frequency band into a plurality of independent communication channels using at least two different multiple access methods;

separating said plurality of independent communication channels into a plurality of channel groups; and

limiting communication within each of the plurality of channel groups to signals meeting a predetermined power criterion.

22. The method claimed in claim 21, wherein:

said at least two different multiple access methods includes frequency division multiple access (FDMA) and code division multiple access (CDMA).

23. The method claimed in claim 21, wherein:

said at least two different multiple access methods includes frequency division multiple access (FDMA) and time division multiple access (TDMA).

- 24. The method claimed in claim 21, wherein:
- said at least two different multiple access methods includes time division multiple access (TDMA) and code division multiple access (CDMA).
 - 25. The method claimed in claim 21, wherein:

said at least two different multiple access methods includes frequency division multiple access (FDMA), time division multiple access (TDMA), and code division multiple access (CDMA).

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26. The method claimed in claim 21, wherein:

said limiting step includes specifying a power range for each of the plurality of channel groups, wherein at least two of the plurality of channel groups have different power ranges from one another.

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27. The method claimed in claim 26, wherein:

said limiting step includes determining a power level associated with a first communication connection and selecting a channel group from said plurality of channel groups based on said power level.

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